



a50 Inspector

Designed for the pro, save and export thermal and digital images with easy report writing software.

a30 Detector

Designed for on the spot routine maintenance inspections.

First upgradeable camera after purchase. Maximize scalability by upgrading your camera with up to 15 configurations - *at any time!*

First user upgradeable camera. Maximize value by easily upgrading your a30 Detector to a a40 Inspector - *in the field!*

First extended warranty plan to include annual recalibration, inspection and firmware upgrades. Maximize performance and increase the life of your Heat Spy! (Excludes battery and SD card)

Features

Upgrade both models with a High Temperature option, Wide Angle Lens and / or Telephoto Lens - *at any time!*

"a" speed at 9 Hertz captures clear, sharp images!

Camera acclimates quickly. Sudden ambient temperature changes won't slow you down!

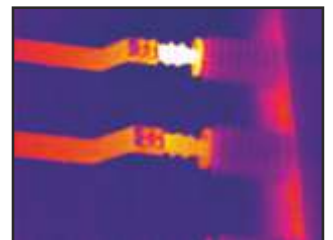
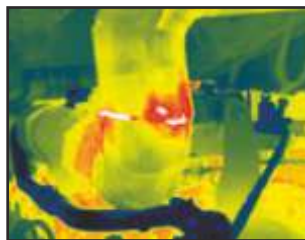
every Pixel is individually calibrated!

"Double Vision" provides **simultaneous capture** of both a Thermal and Digital picture, and can include up to a 45 second voice recording. (z50 Series only)

Hands-free flashlight (optional) screws into camera to brighten dark areas for clear digital pictures. Operates on it's own internal battery, enabling longer camera battery life.



PALMER Wahl
INSTRUMENTATION GROUP
ISO 9001:2008 **USA**



Find problems quickly, easily, and safely with the Wahl Heat Spy.

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APPLICATIONS for many Industries	Specifications	a30 Series Detector	a50 Series Inspector
	UPGRADE Model	Upgrade to a a50 Inspector - in the Field	Full Feature Series
Aerospace Automotive Asphalt & Roofing Breweries Beverage Processing Canning Chemical Coal & Mineral Mining Condition Monitoring Confectionery Cosmetics Dairy Processing Electrical Energy Audits Facilities Management Fire Fighting Food Processing Food Service Glass Government Home Inspection HVAC & Irrigation Meat Processing Mechanical Military Natural Gas Oil & Petroleum Petrochemical Pharmaceutical Pipe, Valve & Fitting Plumbing Police Search/Rescue Poultry Processing Power Generation Pulp & Paper Research & Development Plastics Rubber Sanitary Processing Semiconductor Steel & Iron Telecommunications Test & Measurement Verification Water & Wastewater Weatherization and more!	Measurement Range	-4° to 356°F (-20° to 180°C)	
	UPGRADEto High Temperature	212° to 1112°F (100° to 600°C) (User Upgradeable in the Field)	
	Temperature Accuracy	Greater of ± 2% of reading or ± 2°C	
	Temperature Scale	User Selectable °C, °F, and K	
	Temperature Cursors	1 Hot Seeking, 1 Cold Seeking, 2 Adjustable	
	Field of View	17.5° x 13°	
	Resolution/Pixel Size	160 X 120	
	Spectral Range	8-14µm	
	Thermal Sensitivity	0.1°C @ 30°C	
	LCD Display	High Resolution 3.5" Color LCD, 640 x 480	
	Digital Zoom	2 X Zoom	
	Frame Rate	9 Hz	
	Display Color Palettes	4 Color Palettes: Ironbow; Negative Grayscale; Rainbow Blue-Red; High Contrast Blue-Yellow	11 Color Palettes: Ironbow; Negative Grayscale; Positive Grayscale; Amber; Hot Metal; Cool Metal; Rainbow Green-Red; Rainbow Blue-Red; Rainbow Black-White; High Contrast Blue-Yellow; and High Contrast Violet-White
	Image Adjustment	Auto Ranging / Manual Level and Span / Adjustable Display Brightness Control	
	Languages	11 Languages: English; Spanish; French; German; Italian; Portuguese; Korean; Japanese; Russian; Simplified Chinese; and Traditional Chinese	
	Laser Pointer	Class 2 < 1mW / 635nm, Red	
	Auto Correction	Auto Correction of Microbolometer with Adjustable Time Interval or Push Button Manual	
	Measurement Mode	Spots, Delta T	Spots, Areas, Lines, Isotherms, Delta T
	Number of Measurement Area	N/A	3
	Emissivity Range	Adjustable from 0.01 to 1.00	Adjustable from 0.01 to 1.00 with Built-in Emissivity Table
	T Reflect	Manual Adjustment	
	T Correct	N/A	Manual Adjustment
	Digital Camera	N/A	1.3 Megapixel
	Thermal/Digital Image	N/A	Toggle between Thermal and Digital
	Alarm	High Temperature Audible and Visible Alarm	High Temperature Audible and Visible Alarm Isotherm Visible Alarm
	UPGRADEOptics	Wide Angle (35° x 26° FOV), and/or Telephoto (8.75° x 6.5° FOV) (Factory Upgradeable option)	
	Report Analysis Software	N/A	Yes
	Image Storage	N/A	2GB SD / Time Stamped
	Freeze Frame/Save Image	Freeze Frame only	Freeze Frame and Save Image, Thermal and/or Digital to SD Card
	Storage Mode	N/A	Manual Single Image Save or Programmable Auto Save to SD Card
	Voice Annotation	N/A	Maximum 45s per image
	File Format (Thermal)	N/A	JPEG plus Temperature in 14 bit data
	File Format (Visual)	N/A	JPEG
	Video Output	User Selectable PAL and NTSC	
	Dimensions/Weight w/o battery	Width: 4.5 in. (115mm) x Length: 5.9 in. (150mm) x Height: 9 in. (230mm) / 1.65 lbs (0.75 Kg)	
	Power / Operating Time	1 Rechargeable Lithium ion Battery / 2 Batteries provide 6.0 plus hours operation	
	Charging System	External AC Mains Battery Charger included; In Camera Charging with optional AC Battery Charger	
	Ambient Operating Temperature	5° to 122°F (-15° to 50°C)	
	Storage Temperature	-4° to 140°F (-20° to 60°C)	
	Humidity	≤ 90% non-condensing	
	Included Accessories	Carrying Case; Wrist Strap; Lens Cap; 2 Rechargeable Lithium Ion Batteries; Video Out Cable; AC Mains Battery Charger; Report & Analysis Software; User Manual. 50 Series only: SD Card & Reader	
	Options	NIST Traceable Certificate of Conformance; Extended Warranty; Damage Protection Plan; Hands Free Flashlight; Auxillary Charging Pkg includes: Car Charger, AC mains charger, & International Plugs	

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